

Organization TC3700 RANDOLPH
Bldg/Room

United States Patent and Trademark Office
P.O. Box 1450

Alexandria, VA 22313-1450

If Undeliverable Return in Ten Days

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

AN EQUAL OPPORTUNITY EMPLOYER

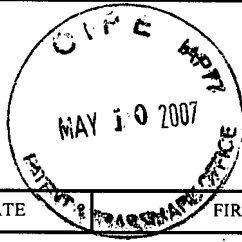
RECEIVED
MAY 10 2007
USPTO MAIL CENTER

KRT665 017023024 1406 06 05/07/07
FORWARD TIME EXP RTN TO SENT
: KRT665



UNITED STATES PATENT AND TRADEMARK OFFICE

IFW



UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/524,694

11/03/2005

Matthias Niggemann

82351

1591

7590
Kriegsman & Kriegsman
665 Franklin Street
Framingham, MA 01702

05/04/2007

EXAMINER

WEEKS, GLORIA R

ART UNIT

PAPER NUMBER

3721

MAIL DATE

DELIVERY MODE

05/04/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/524,694

Applicant(s)

NIGGEMANN ET AL.

Examiner

Gloria R. Weeks

Art Unit

3721

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/15/05 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Oath/Declaration

2. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because: It does not state that the person making the oath or declaration acknowledges the duty to disclose to the Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

While Applicant recognizes the duty to disclose information, Applicant recites the phrase "material to the examination of this application", whereas the material should be drawn to the patentability of the application. Correction is required. See

Specification

3. The abstract of the disclosure is objected to because of the recitation of the phrase "said". Correction is required. See MPEP § 608.01(b).
4. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the

Art Unit: 3721

printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 19-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 19 recites the limitation "the marking unit" in lines 3-4. There is insufficient antecedent basis for this limitation in the claim.

Claim 24 recites the limitation "the marking unit" in line 2 and "the reader" in line 3. There is insufficient antecedent basis for these limitations in the claim.

Regarding claim 25, the phrase "in particular" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. Is the step of providing a marking unit and a reader at the specific distance limited to a filling plant or does it encompass other environments, such that a filling plant is merely an example of an environment in which the method can be implemented. See MPEP § 2173.05(d).

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-9, 11-23, 26-30, 33 and 38 are rejected under 35 U.S.C. 102(b) as being anticipated by Johnsen et al. (USPN 5,109,153).

In reference to claims 1-9, 11-18 and 38, Johnsen et al. discloses a method for producing a returnable and recyclable package including the steps of: applying at least one deposit mark to the packaging (column 3 lines 7-9), the deposit mark defined by at least one irremovable and visible security feature 14 in the form of a barcode, and at least one fluorescent/translucent (column 3 lines 23-41)/Stokes pigment (column 3 lines 53-66) further security feature 13 coincident with the at least one security feature 14 for the purpose of determining authenticity of the package; wherein at least one security feature 13, 14 is printed 16 directly on the package before the introduction of goods into the package (figure 4) in an in line process; a control system 20 predefining a deposit value 12 associated with the deposit value mark 13, 14; wherein the combination of the at least one first and further security feature 13, 14 define the deposit value/code 12 of the deposit mark; and at least one security feature 14 is readable by a machine (column 4 lines 8-9).

Regarding claims 19-23, 26-30 and 33, Johnsen et al. discloses a method of implementing a returnable packaging system characterized in that: at least one security feature 13, 14 is applied to a package by a marking unit 16, 19 which receives, from a control unit 20, a clock pulse

Art Unit: 3721

(column 5 lines 25-39); each issue of a further security feature is passed on to a reader data processing system 28 after the marking unit 16, 19 and the further security feature is at least partly registered and stored (column 6 lines 11-33); wherein the marking unit 16, 19 is a short distance from the reader 28 (figure 5); and wherein the at least one further security feature 13 is applied using well known application methods, which include both contact or contactless applications (column 4 line 63-column 5 line 2).

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claim 10 rejected under 35 U.S.C. 103(a) as being unpatentable over Johnsen et al. (USPN 5,109,153) in view of Oshima et al. (USPN 6,303,929).

With respect to claim 10, Johnsen et al. discloses a method of applying a security feature to a package, wherein the security features is responsive to radiant energy for the purpose of allowing the security feature to be detected by the human eye. Johnsen et al. does not disclose the security feature having a rapid decay. Oshima et al. teaches a method of applying a security feature to a packaging, wherein the security feature has fluorescent pigment with a rapid decay constant (column 1 lines 42-52). It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the method of Johnsen et al. to apply a fluorescent

Art Unit: 3721

pigment security feature having a rapid decay, since column 2 lines 3-6 of Oshima et al. state that such a modification prevents adverse effect on the aesthetic appearance of the package.

11. Claims 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnsen et al. (USPN 5,109,153) in view of Soehnlén et al. (USPN 6,247,507).

In reference to claims 24 and 25, Johnsen et al. discloses a method of applying a security feature to a package, but does not specifically disclose the dimensions of the orientation of a marking unit that applies the security feature with respect to a reader. It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the method of Johnsen et al. to provide a marking unit 62 positioned near a reader 72, since column 6 lines 43-52 of Soehnlén et al. state that such a modification allows a container to maintain proper orientation of a package for the purpose of acquiring product related information from the package. While the specific distance of 3 meters or less is not disclosed by Johnsen et al. and Soehnlén et al., Examiner finds that the method would have provided the same advantage of orientation of the package between the marking unit and the reader, as stated by Soehnlén et al., if the distance of 3 meters was exceeded.

12. Claims 31, 32 and 34-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnsen et al. (USPN 5,109,153) in view of Stoffelsma (PCT/DE2002/001566).

Regarding claims 31, 32, 34-37, Johnsen et al. discloses a method of applying a security feature to a package, but does not disclose the processing of the package post filling. Stoffelsma teaches a package return method for processing a package having a security feature, including the steps of: transmitting data from a filler to a clearing authority when empty containers are replaced by full containers (figure 1), wherein the data is checked, registered and stored by an

Art Unit: 3721

EDP based management system (paragraphs 9 & 10). It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the method of Johnsen et al. to include the return system of Stoffelsma, since paragraphs 14 and 19 of Stoffelsma suggest that such a modification prevents multiple deposit implementation and allows the packaging to be returned to a variety of locations having access to the EDP system for recycling purposes.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to attachment for notice of references cited and recommended for consideration based on their disclosure of limitations related to the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gloria R. Weeks whose telephone number is (571) 272-4473. The examiner can normally be reached on M-F 8am-4pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi I. Rada can be reached on (571) 272-4467. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3721

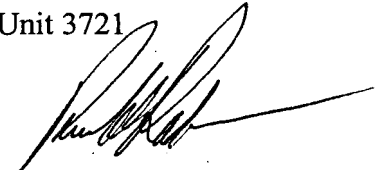
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Other helpful telephone numbers are listed for applicant's benefit:

- Allowed Files & Publication (888) 786-0101
- Assignment Branch (800) 972-6382
- Certificates of Correction (703) 305-8309
- Fee Questions (571) 272-6400
- Inventor Assistance Center (800) PTO-9199
- Petitions/special Programs (571) 272-3282
- Information Help line 1-800-786-9199


grw
April 24, 2007

Gloria R. Weeks
Examiner
Art Unit 3721


Rinaldi I. Rada
Supervisory Patent Examiner
Group 3700

Notice of References Cited	Application/Control No. 10/524,694	Applicant(s)/Patent Under Reexamination NIGGEMANN ET AL.	
	Examiner Gloria R. Weeks	Art Unit 3721	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2005/0216368	09-2005	Wechsel, Hilmar	705/028
*	B	US-2005/0192816	09-2005	Wechsel, Hilmar	705/001
*	C	US-2004/0148189	07-2004	Stoffelsma, Bouke Christiaan	705/001
*	D	US-7,117,363	10-2006	Lincoln et al.	713/175
*	E	US-7,029,757	04-2006	Levy, Michel	428/458
*	F	US-6,303,929	10-2001	Oshima et al.	250/271
*	G	US-6,247,507	06-2001	Soehnlen et al.	141/2
*	H	US-6,237,843	05-2001	Falat et al.	229/125.35
*	I	US-5,109,153	04-1992	Johnsen et al.	235/468
*	J	US-4,449,042	05-1984	Hampson et al.	235/454
*	K	US-3,927,474	12-1975	Lapeyre et al.	33/356
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	WO/20002/089073	07-2002	Europe	Stoffelsma	G07F 7/06
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION



IP SERVICES



Home IP Services PatentScope Patent Search



Search result: 1 of 1

(WO/2002/089073) DEPOSIT RETURN SYSTEM FOR DISPOSABLE OBJECTS

Biblio. Data

Description

Claims

National Phase

Notices

Documents

Latest bibliographic data on file with the International Bureau

Publication Number: WO/2002/089073

International Application No.: PCT/DE2002/001566

Publication Date: 07.11.2002

International Filing Date: 30.04.2002

Chapter 2 Demand Filed: 22.11.2002

Int. Class.: G07F 7/06 (2006.01)

Applicants: RETURNIT SYSTEMBETRIEBS-GMBH [DE/DE]; Limitenstrasse 64-78, 41236 Mönchengladbach (DE) (All Except US).

STOFFELLSMA, Bouke, Christiaan [NL/DE]; Croonsallee 37, 41061 Mönchengladbach (DE) (US Only).

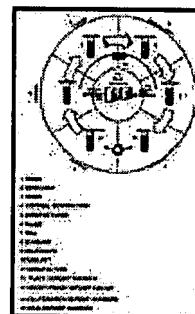
Inventor: STOFFELLSMA, Bouke, Christiaan [NL/DE]; Croonsallee 37, 41061 Mönchengladbach (DE).

Agent: BOBZIEN, Christoph; Lippert, Stachow, Schmidt & Partner, Frankenforsterstrasse 135-137, 51427 Bergisch Gladbach (DE).

Priority Data: 01110633.3 30.04.2001 EP

Title: (EN) DEPOSIT RETURN SYSTEM FOR DISPOSABLE OBJECTS
(DE) PFANDRÜCKNAHME SYSTEM FÜR EINWEGVERPACKUNGEN

Abstract: (EN) The invention relates to a computer-managed deposit system for objects, especially disposable objects, a return device for objects having a deposit thereon, especially disposable objects, an originality seal for indicating said objects, especially disposable objects, and a detection device which is used with said system. In order to avoid deceit caused by multiple returns, the inventive method comprises the following steps: association of an object with a clear identifier chosen from a plurality of identifiers managed in a data bank (linkage), association of the identifier with a deposit value, use of the object in at least one intermediate step, detection of the identifier of the object and identification of the object by means of said identifier, disassociation of the linkage of the identifier in the data base when the deposit is returned on said object.



(DE) Die Erfindung betrifft ein rechentechnisch verwaltetes Pfandsystem für Gegenstände, insbesondere für Einwegverpackungen, eine Rücknahmeeinrichtung für bepfandete Gegenstände, insbesondere für Einwegverpackungen, ein Originalitätssiegel zur Kennzeichnung von Gegenständen, insbesondere Einwegverpackungen und eine Erfassungsvorrichtung zur Verwendung mit dem Pfandsystem. Zur Vermeidung von Betrug durch Mehrfachrückgaben wird erfindungsgemäss ein Verfahren mit den folgenden Verfahrensschritten vorgeschlagen: Zuordnen des Gegenstandes zu einer eindeutigen Kennzeichnung aus einer Vielzahl in einer Datenbank verwalteten Kennzeichnungen (Verknüpfung), Zuordnen der Kennzeichnung aus der Datenbank zu einem Pfandwert, Verwendung des Gegenstandes in mindestens einem Zwischenschritt, Erfassen der Kennzeichnung des Gegenstandes und Identifikation des Gegenstandes anhand der Kennzeichnung, Lösen der Verknüpfung der Kennzeichnung in der Datenbank bei Entpfandung des Gegenstandes.

Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
African Regional Intellectual Property Org. (ARIPO) (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW)

Eurasian Patent Organization (EAPU) (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)
European Patent Office (EPO) (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR)
African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Publication Language:

German (DE)

Filing Language:

German (DE)